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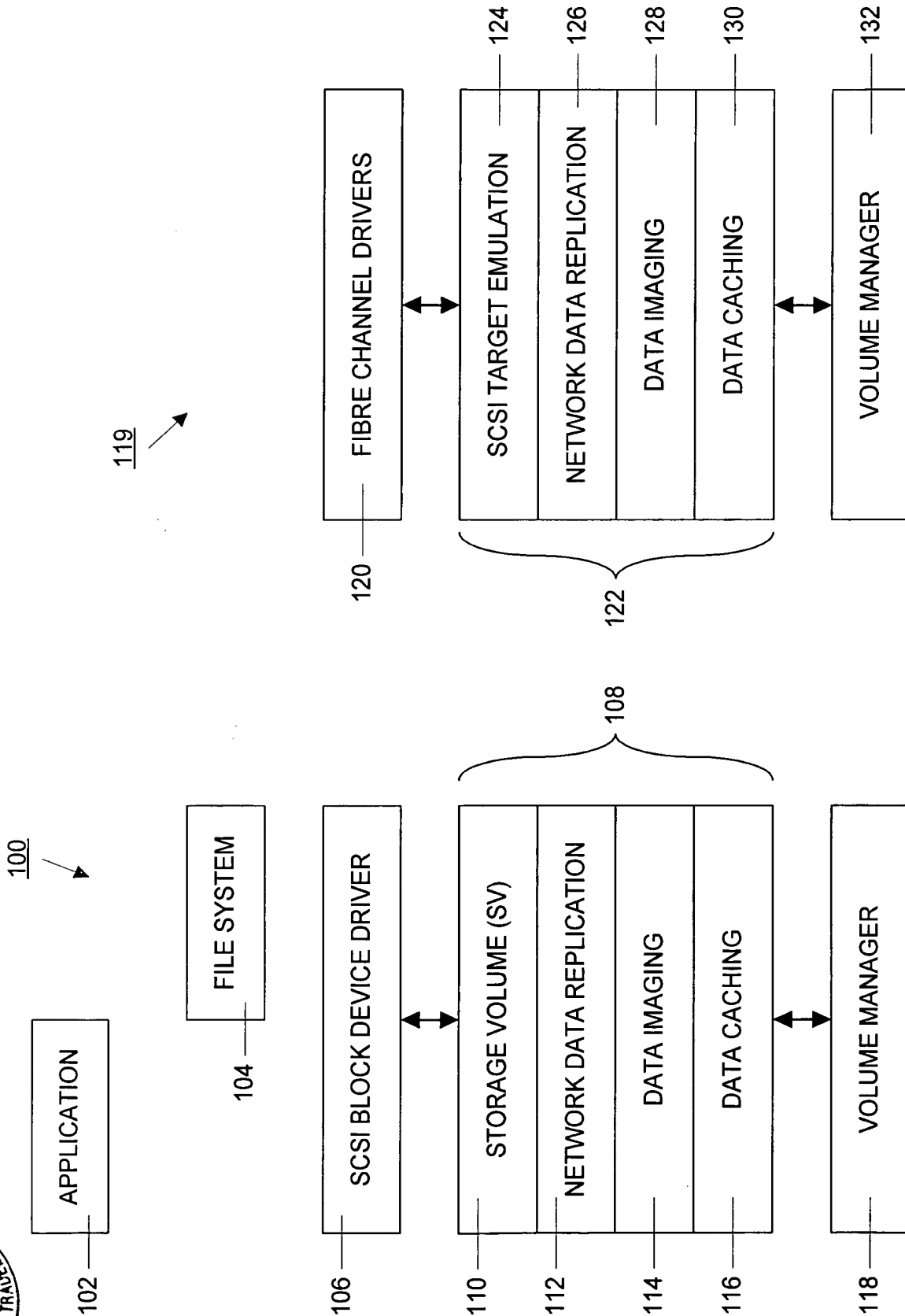


FIG. 1B

FIG. 1A



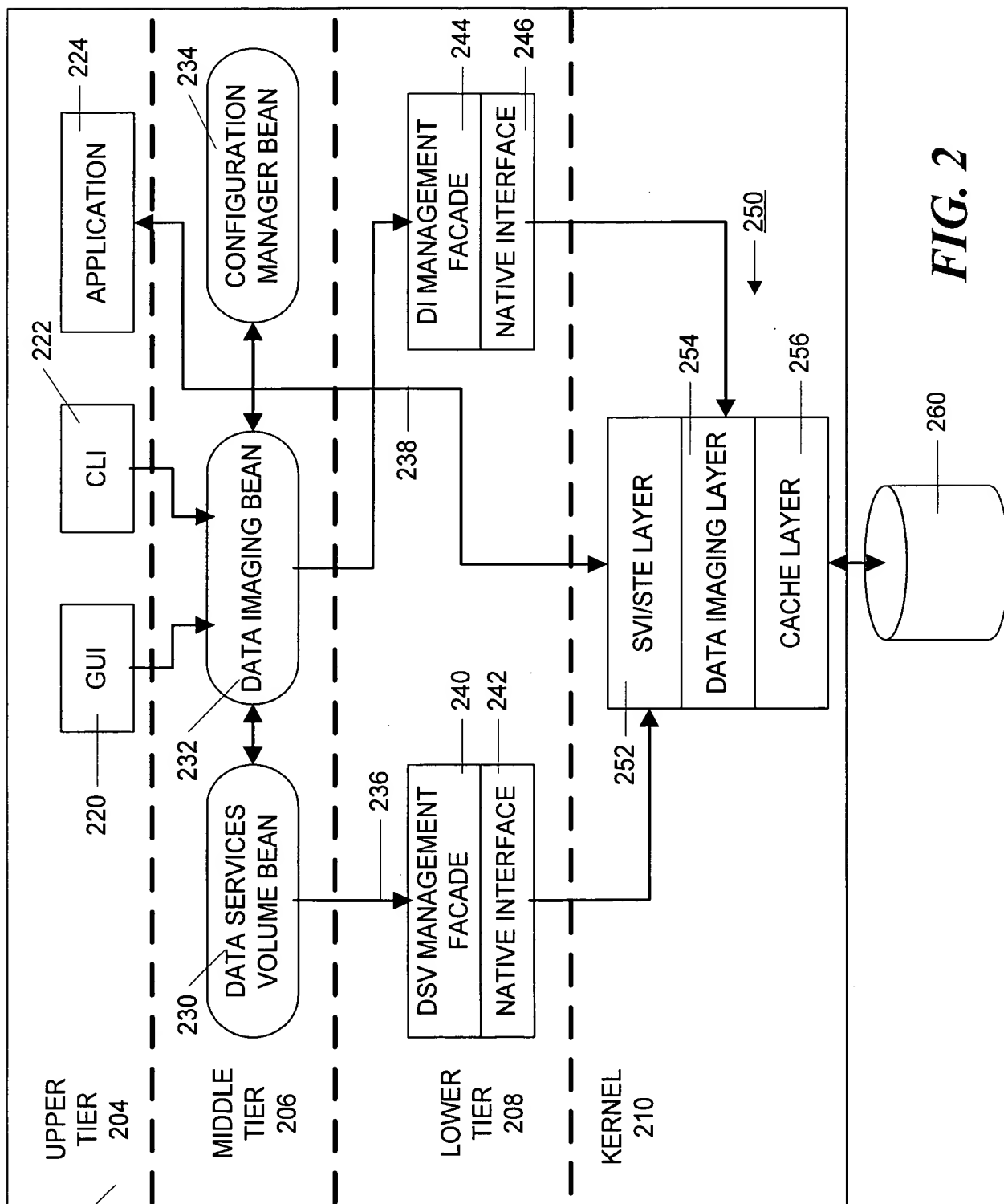


FIG. 2





Title: METHOD AND APPARATUS FOR MANAGING DATA IMAGING IN A DISTRIBUTED
 Inventor: M. Musante et al.
 Filing Date: September 21, 2001
 Serial No: 09/960,122
 Docket No: P5984

Customer No. 021127

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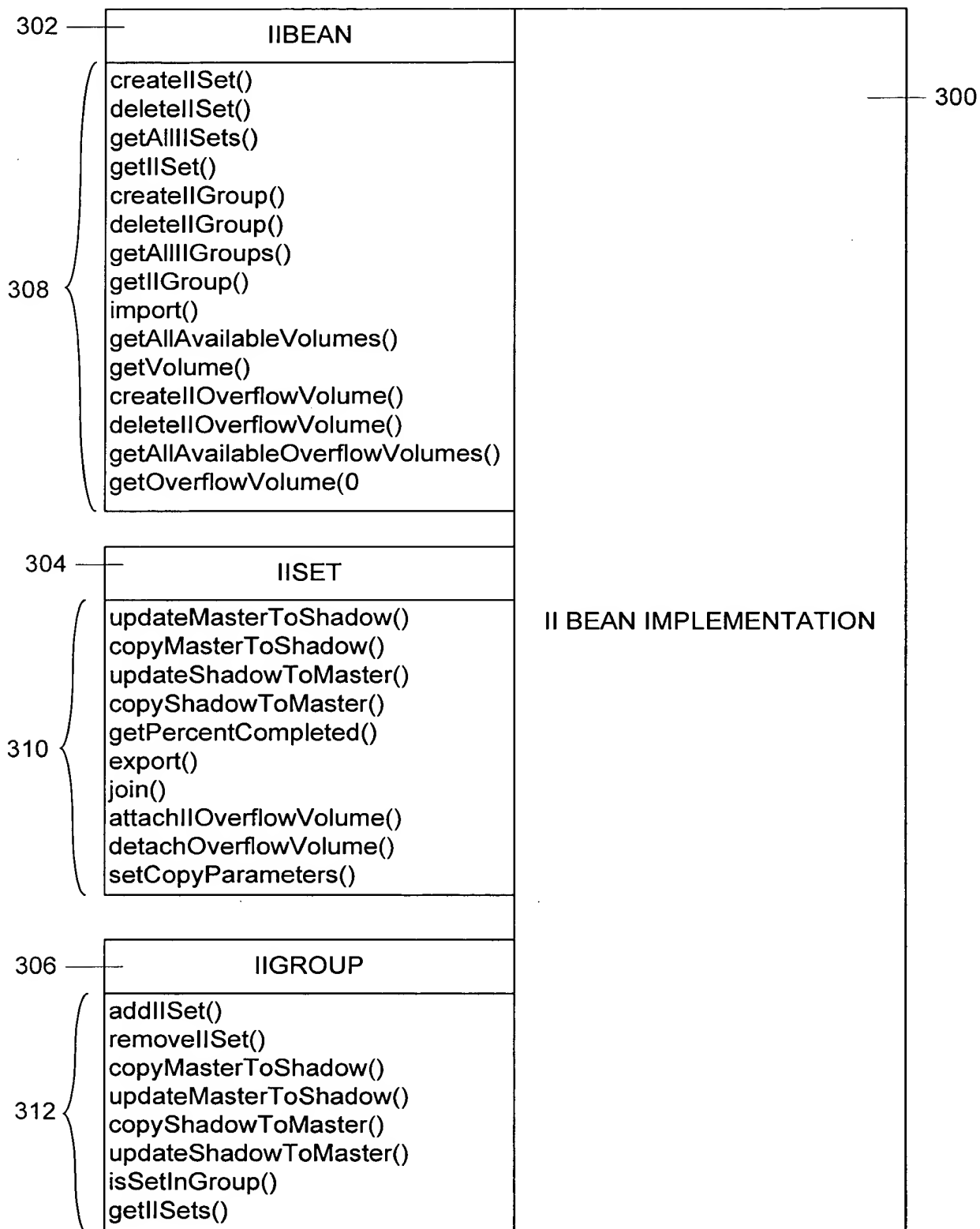


FIG. 3



Title: METHOD AND APPARATUS FOR MANAGING DATA IMAGING IN A DISTRIBUTED
Inventor: M. Musante et al.
Filing Date: September 21, 2001
Serial No: 09/960,122
Docket No: P5984

Customer No. 021127

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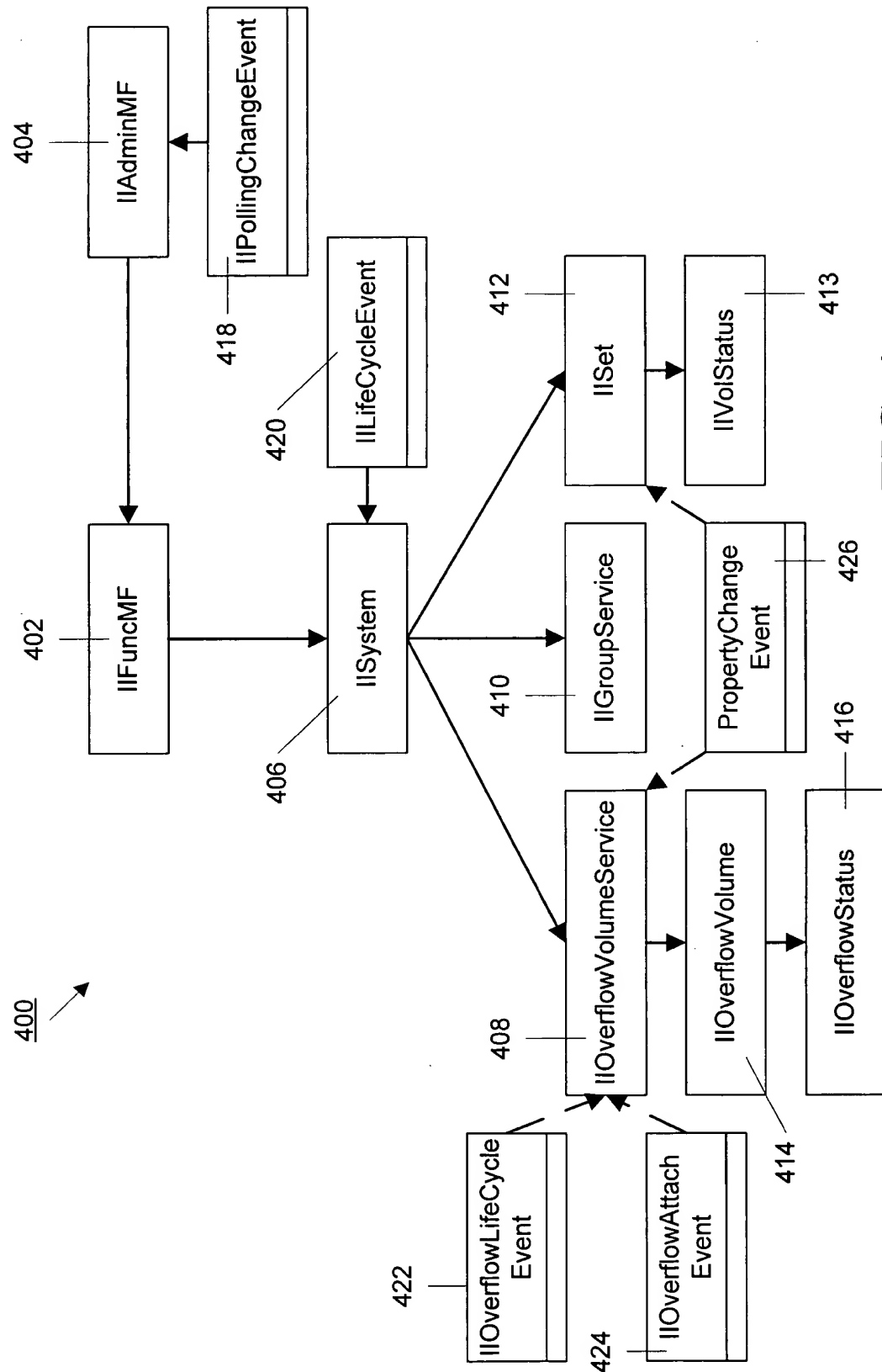


FIG. 4



Title: METHOD AND APPARATUS FOR MANAGING DATA IMAGING IN A DISTRIBUTED
Inventor: M. Musante et al.
Filing Date: September 21, 2001
Serial No: 09/960,122
Docket No: P5984

Customer No. 021127

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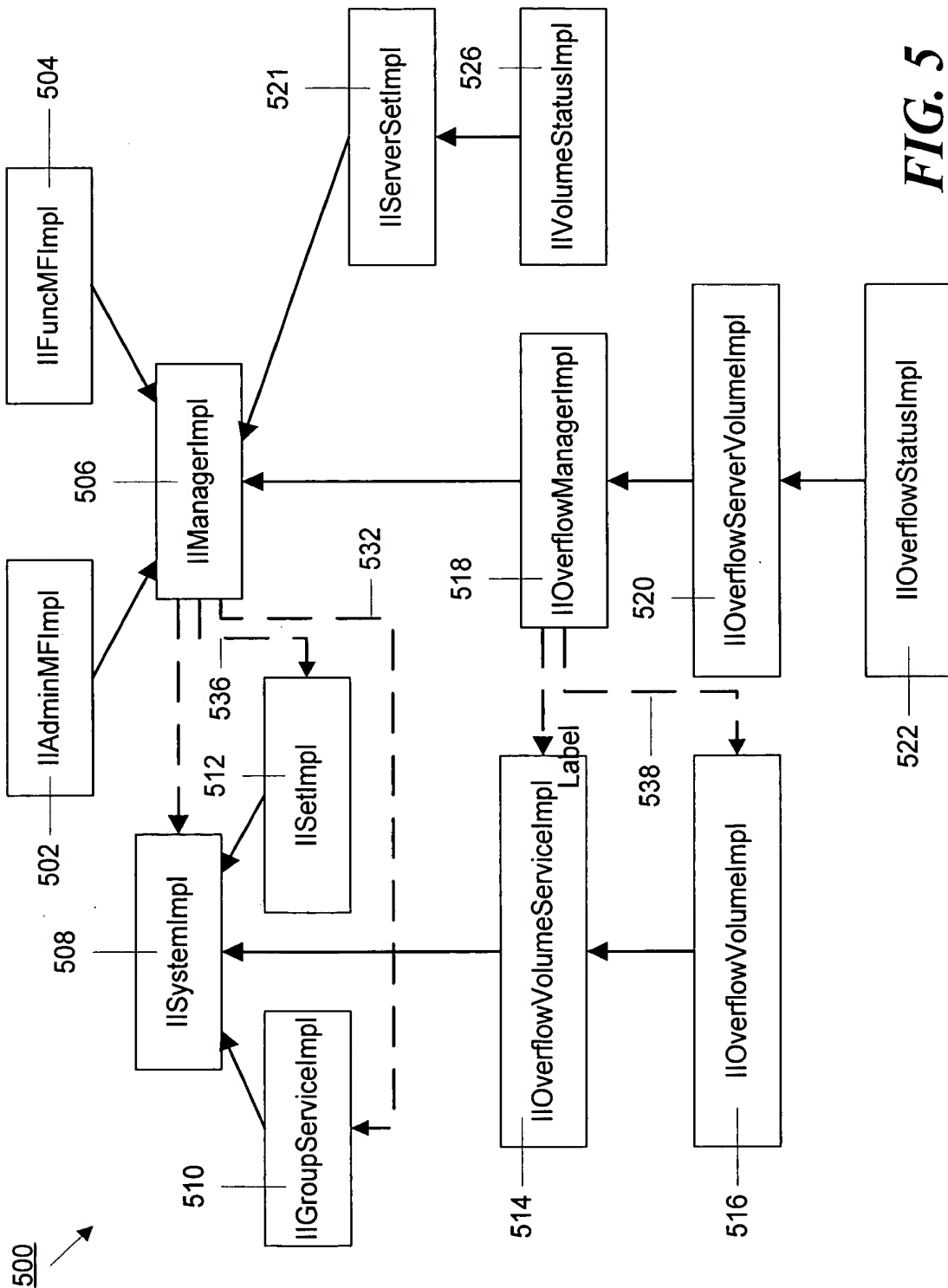


FIG. 5

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600

StorEdge Data Services Console: Solaris Management Console 2.0 EA
lanshanz

Console Exit View Go Help

Navigation

- StorEdge Data Service Console
- Data Service Stations
 - Station 0
 - Data Service Volumns
 - Data Service Cache
 - Instant Image
 - Network Data Orepletor
 - Station 1
 - Station 2

Toolbox: <http://lybeenie:898/100boxes/DataService:Console.tby/Data service/Station/Station 0/Instant Image/>

Name	Type	State	Operational Stat.	Synchronized(%)
MySet1	INDEPENDENT	ENA	New	100
MySet2	INDEPENDENT	COP	Start Copy	80
MyGroup	INDEPENDENT	COP	Start Update Abort	

Copy to Shadow
Copy to Master

Delete

Properties

634

620

618

616

Information

This tool allows you to manage your instant image data service

Instant image

Context Help Console Log

0 Item(s)

618

FIG. 6



700

702

Set Properties

Config **Status**

Set Name:

704 **MySet**

Type

☒ Independent } 708
☐ Dependent } 718

Master Volume

710 **Pathname:** **/dev/rdisk/c0t0d0s0** 712

Capacity: ??

716 **Select Volume...** 714

Overflow Volume

☐ Attach an overflow volumn 720

Pathname: 722

Capacity: 724

Select Volume... 726

Shadow Configuration

730 ☒ Volume (recommended) 732 ☐ File

734 **Pathname:** **/dev/rdisk/c0t0d0s1** 740 **Path:**

736 **Capacity:** ??

738 **Select Volume...** 742 **Select File...**

Bitmap Configuration

750 ☒ Volume (recommended) 752 ☐ File

754 **Pathname:** **/dev/rdisk/c0t0d0s2** 762 **Path:**

756 **Capacity:** ??

760 **Select Volume...** 764 **Select File...**

OK **Cancel**

780 782

FIG. 7



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Set Properties: MySet

Name: Type:

Master Volume

808

Pathname:
Capacity:
Type:

Shadow Volume

812 814 810

Pathname:
Capacity:
Type:

Overflow Volume

816 818 820

Pathname:
Capacity:
Type:

Bitmap Volume

822

Pathname:
Capacity:
Type:

824 826

FIG. 8

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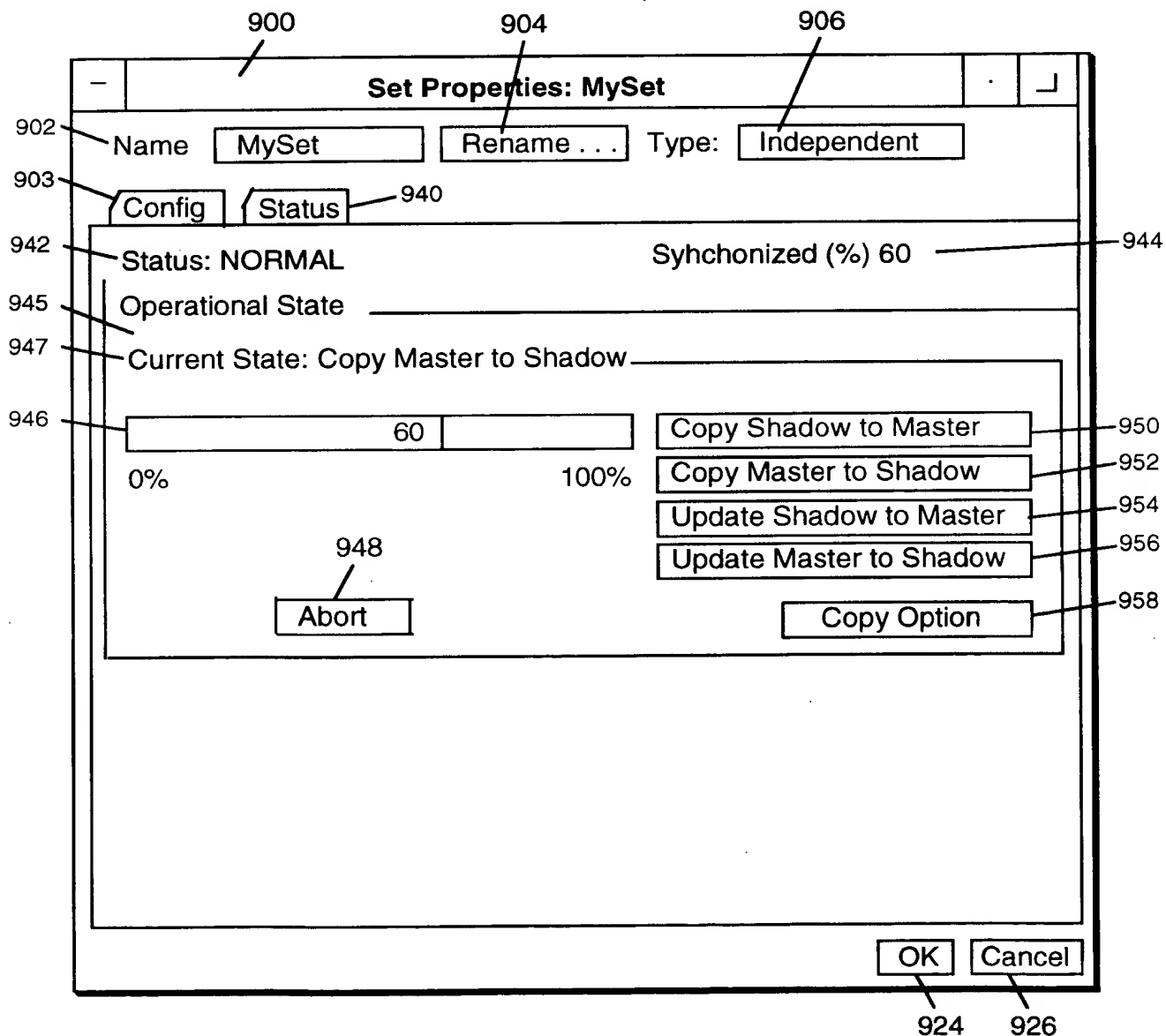


FIG. 9

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Group Configuration

1002 Config 1000 Status

1004 Group Name
My Group

Type
☐ Independent
☐ Dependent } 1006

Member Sets:

Name	Operational Status	State
Set1	NORMAL	ENABLE
Set 2	NORMAL	ENABLE

1010 1012 1014

1008

1016 Add 1018 Remove 1020 Properties

OK Cancel
924 926

FIG. 10

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1100

Available Set		
Name	Operational...	State
Set1	NORMAL	ENABLE
Set2	NORMAL	ENABLE

1102

1104 1106 1108

OK Cancel

1110 1112

FIG. 11

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1200

1206

1204

Group Properties: MyGroup

1202 Name: My Group Type: Independent

1203 Config Status

Member Sets:

Name	Operational	State	Synchroniz...	Overflow/A...
Set1	NORMAL	COPYING	75	
Set 2	NORMAL	UPDATING	80	

1210 1212 1214 1216 1218

1208

1220 1222 1224

Add Remove Properties

Attach Overflow... 1226

Detach Overflow 1228

OK Cancel 1230 1232

FIG. 12



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1300

Group Properties: MyGroup

1306

1302 Name: My Group

1304 Rename...

Type: Independent

1303 Config Status

1342 Status: NORMAL

Operational State

1347 Current State: Copy Master to Shadow

1346 60 0% 100%

1348 Abort

1350 Copy Master to Shadow

1352 Copy Shadow to Master

1354 Update Master to Shadow

1356 Update Shadow to Master

1358 Copy Options...

1330 OK

1332 Cancel

FIG. 13

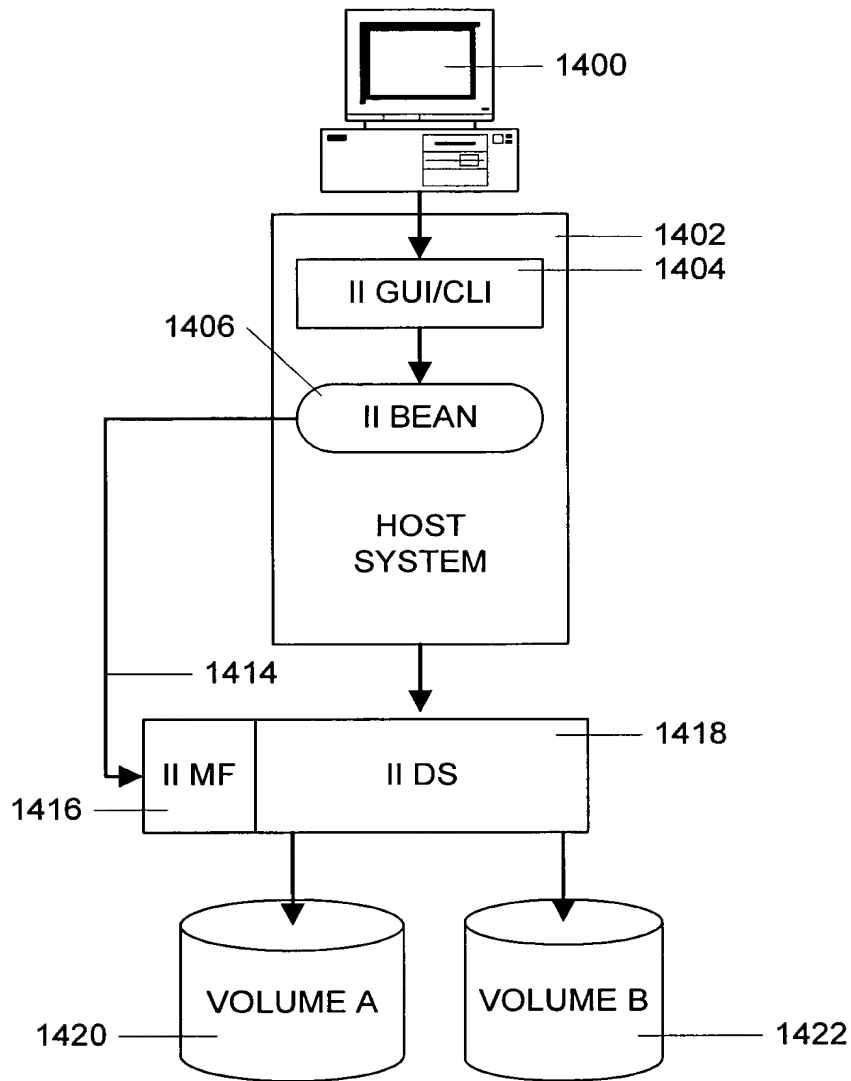


FIG. 14

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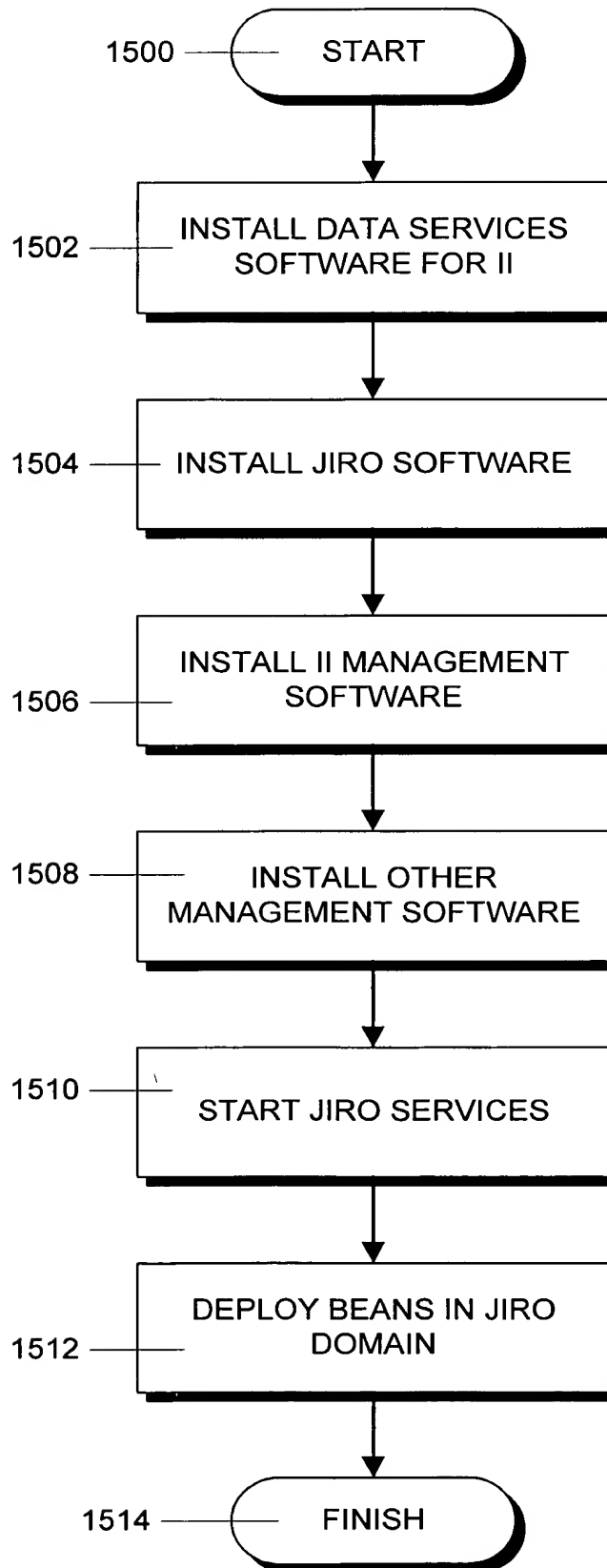
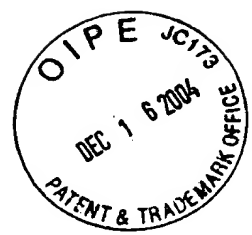


FIG. 15





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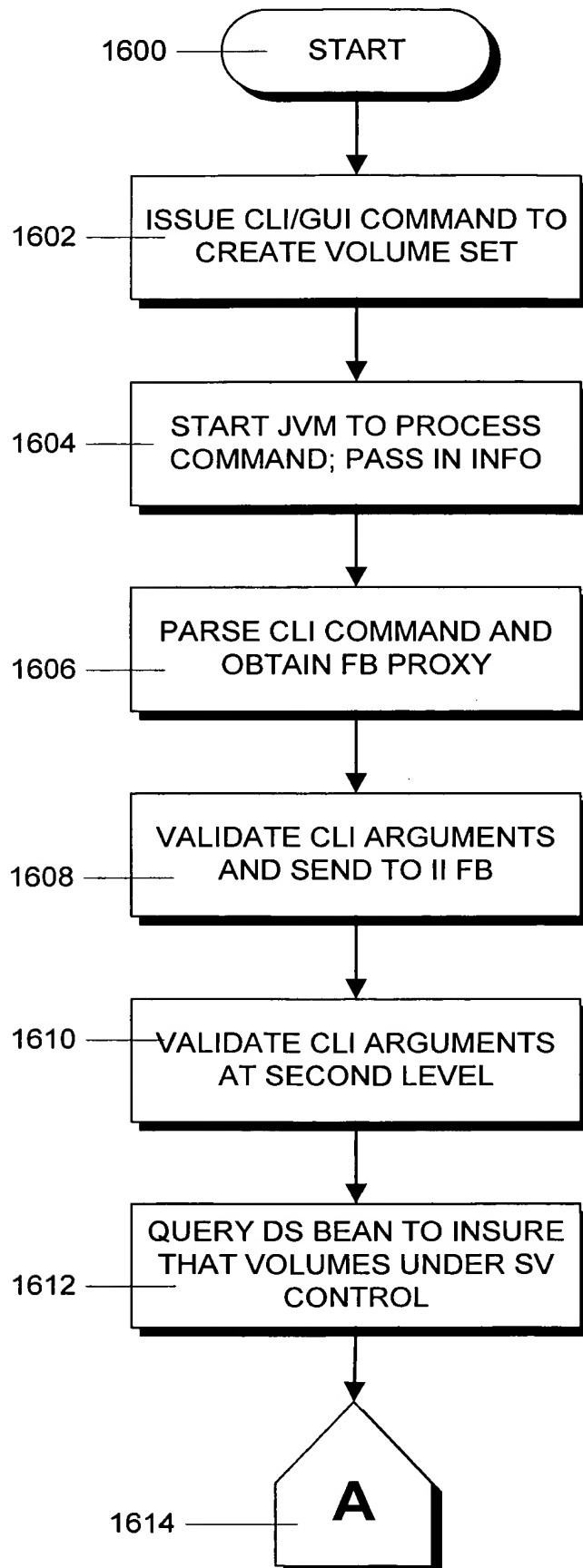


FIG. 16A

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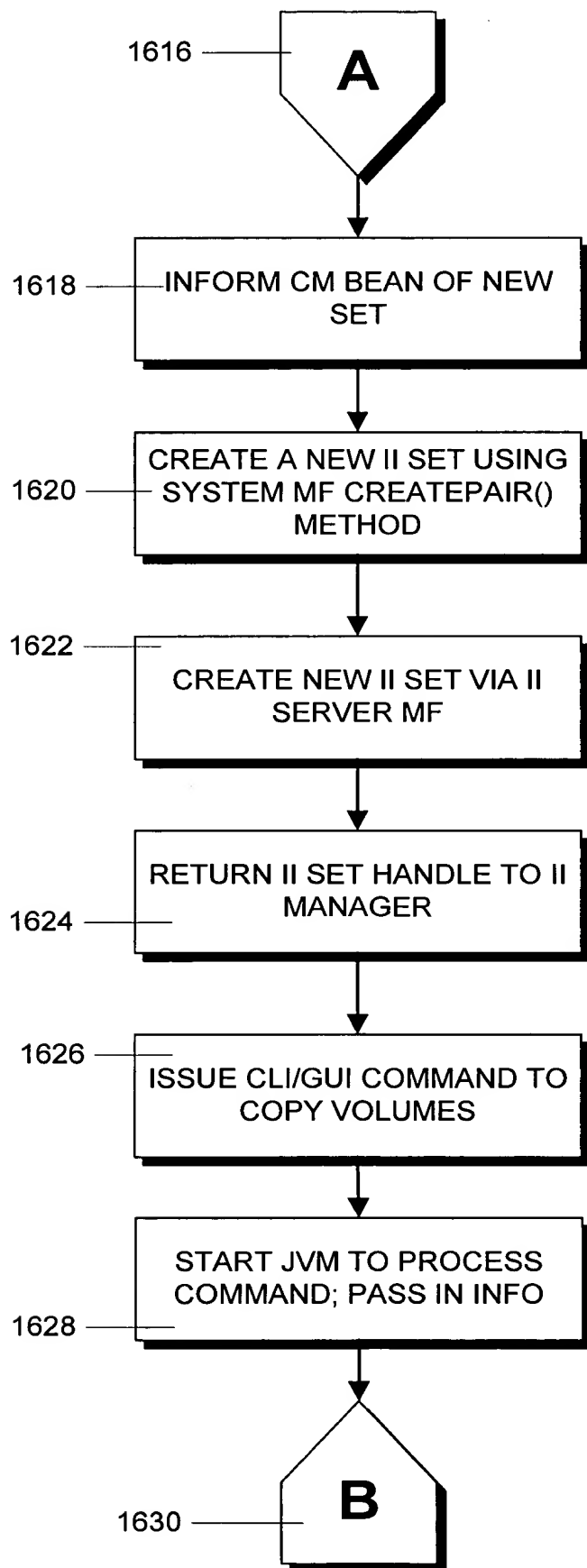


FIG. 16B



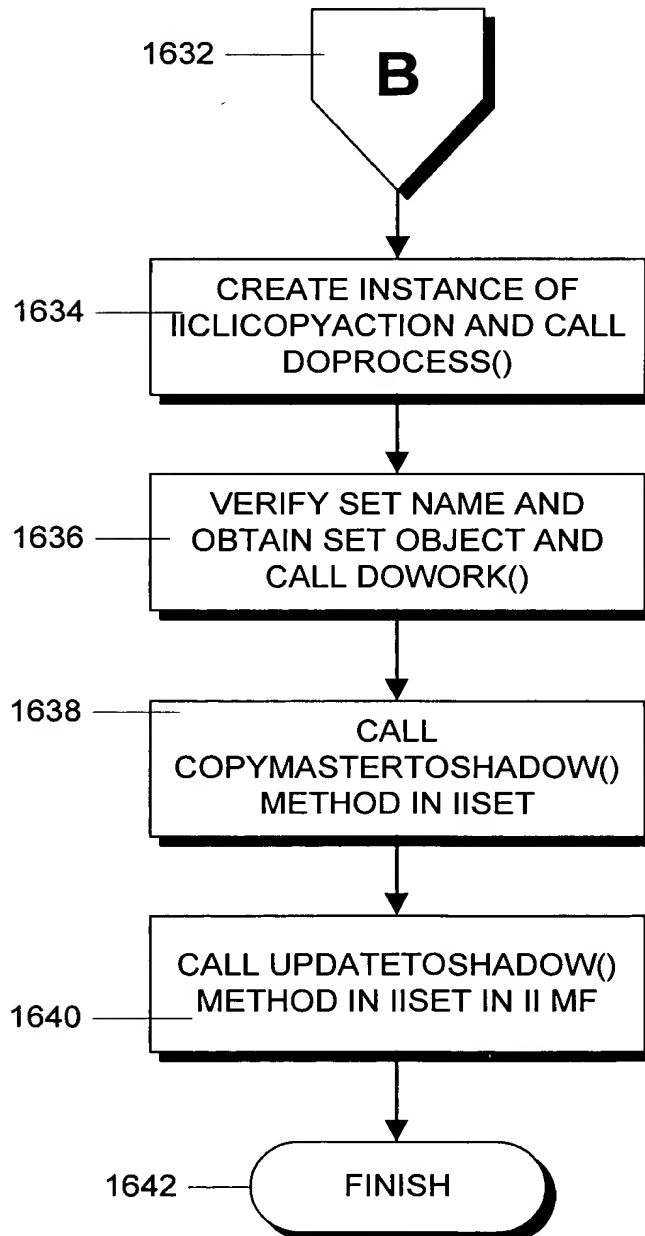


FIG. 16C